

# Yusheng Wang

## List of Publications by Year in descending order

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16  
papers

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citations

933447

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940533

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docs citations

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times ranked

392  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intriguing electronic, optical and mechanical properties of the vertical and lateral heterostructures on the boron phosphide and GaN monolayers. <i>Journal of Materials Science</i> , 2021, 56, 7451-7463.	3.7	3
2	Metallic VS <sub>2</sub> monolayer as an anchoring material for lithium-sulfur batteries. <i>Chemical Physics Letters</i> , 2020, 741, 137121.	2.6	21
3	Electronic and magnetic properties of a black phosphorene/Tl <sub>2</sub> S heterostructure with transition metal atom intercalation: a first-principles study. <i>RSC Advances</i> , 2019, 9, 19418-19428.	3.6	2
4	Manipulating electronic and magnetic properties of black phosphorene with 4d series transition metal adsorption. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 2765-2771.	2.1	13
5	A type-II C <sub>2</sub> N <sub>1±</sub> -Te van der Waals heterojunction with improved optical properties by external perturbation. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 21753-21760.	2.8	20
6	Tailoring the electronic properties of graphyne/blue phosphorene heterostructure via external electric field and vertical strain. <i>Chemical Physics Letters</i> , 2019, 730, 277-282.	2.6	12
7	Electronic, magnetic properties of 4d series transition metal substituted black phosphorene: A first-principles study. <i>Applied Surface Science</i> , 2019, 480, 802-809.	6.1	29
8	Intriguing electronic properties of germanene/ indium selenide and antimonene/ indium selenide heterostructures. <i>Journal of Solid State Chemistry</i> , 2019, 269, 513-520.	2.9	11
9	Metallic VO <sub>2</sub> monolayer as an anode material for Li, Na, K, Mg or Ca ion storage: a first-principle study. <i>RSC Advances</i> , 2018, 8, 10848-10854.	3.6	51
10	A first-principles study of gas adsorption on monolayer AlN sheet. <i>Vacuum</i> , 2018, 147, 18-23.	3.5	43
11	Tunable electronic structure and magnetic moment in C <sub>2</sub> N nanoribbons with different edge functionalization atoms. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 15021-15029.	2.8	10
12	Electronic, magnetic properties of transition metal doped Tl <sub>2</sub> S: First-principles study. <i>Applied Surface Science</i> , 2017, 425, 393-399.	6.1	9
13	Porous graphene for high capacity lithium ion battery anode material. <i>Applied Surface Science</i> , 2016, 363, 318-322.	6.1	19
14	Electric field improved hydrogen storage of Ca-decorated monolayer MoS <sub>2</sub> . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 815-819.	2.1	25
15	B <sub>24</sub> cluster as promising material for lithium storage and hydrogen storage applications. <i>Computational Materials Science</i> , 2013, 77, 31-34.	3.0	8
16	Li and Ca Co-decorated carbon nitride nanostructures as high-capacity hydrogen storage media. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	26